

Claims

1. Method for transmitting user data messages from a network element (BS1) of a radio communication system (FCS) over at least 5 one transmission channel (PCS) to one or more subscriber devices (UE11, UE21, UE31, UE42) of the radio communication system (FCS), wherein the form of the user data messages is announced by means of a planning information (BMC planning message; C-Type, C-Raw, C-Cod, C-Param) before their transmission.

10 2. Method according to Claim 1, wherein the planning information comprises a first planning message by means of which the transmission of the user data messages is announced via a first 15 separate transmission channel, and a second planning message (BMC planning message) by means of which a description information (C-Type, C-Raw, C-Cod, C-Param) specifying the form of the user data messages that are to be transmitted is transmitted via at least one second separate transmission channel.

20 3. Method according to one of the Claims 1 or 2, wherein the form of the user data messages which are to be transmitted includes the data type (C-Type) and/or the coding (C-Cod) of the user data messages.

25 4. Method according to Claim 3, wherein the data type includes a text, image, audio or video format.

30 5. Method according to one of the Claims 3 to 4, wherein the coding includes an MP3 format, AMR format, WAV format, JPEG format or an MPEG4 format.

35 6. Method according to one of the Claims 1 to 5, wherein the description information relating to the user data messages also includes parameters (C-Raw) which refer to the data volume, the image dimensions for image and/or video data, or the playback duration for audio and/or video data.

7. Method according to one of the Claims 1 to 6, which is carried out in the framework of a broadcast service, in particular as an extension of a Cell Broadcast Service (CBS), or a multicast service.

5 8. Method according to Claim 1 or 7, wherein the radio communication system (FCS) is operated in accordance with the UMTS standard.

10 9. Method according to one of the Claims 2 to 8, wherein the first planning message contains information about when and on which second separate transmission channel, of which there is at least one, second planning messages and/or user data messages are transmitted.

15 10. Method according to one of the Claims 1 to 9, wherein the subscriber device or plurality of subscriber devices (UE11, UE21, UE31, UE42) receives only those user data messages which it is designed to process.

20 11. Method according to one of the Claims 1 to 10, wherein a mobile radio device, in particular a mobile phone, is used as a subscriber device (UE11, UE21, UE31, UE42).

25 12. Method according to one of the preceding claims, wherein the subscriber device or plurality of subscriber devices (UE11, UE21, UE31, UE42) receives only those user data messages which, having regard to the announced form, it is able to process.

30 13. A subscriber device (UE11, UE21, UE31, UE42) of a radio communication system (FCS), which subscriber device is designed in such a way that it can be operated in accordance with a method as per the Claims 1 to 12.

14. A radio communication system (FCS) for carrying out the method in accordance with one of the Claims 1 to 12.

Claims (clean copy)

1. Method for transmitting user data messages from a network
5 element (BS1) of a radio communication system (FCS) over at least
one transmission channel (PCS) to one or more subscriber devices
(UE11, UE21, UE31, UE42) of the radio communication system (FCS),
wherein the form of the user data messages is announced by means of
a planning information (BMC planning message; C-Type, C-Raw, C-Cod,
10 C-Param) before their transmission, wherein the form of the user
data messages which are to be transmitted includes the data type (C-
Type) and/or the coding (C-Cod) of the user data messages.

2. Method according to Claim 1, wherein the planning information
15 comprises a first planning message by means of which the
transmission of the user data messages is announced via a first
separate transmission channel, and a second planning message (BMC
planning message) by means of which a description information (C-
Type, C-Raw, C-Cod, C-Param) specifying the form of the user data
20 messages that are to be transmitted is transmitted via at least one
second separate transmission channel.

3. Method according to Claim 1, wherein the data type includes a
text, image, audio or video format.

25 4. Method according to one of the Claims 1 to 3, wherein the
coding includes an MP3 format, AMR format, WAV format, JPEG format
or an MPEG4 format.

5. Method according to Claim 2, wherein the description information relating to the user data messages also includes parameters (C-Raw) which refer to the data volume, the image 5 dimensions for image and/or video data, or the playback duration for audio and/or video data.

6. Method according to one of the Claims 1 to 5, which is carried out in the framework of a broadcast service, in particular as an 10 extension of a Cell Broadcast Service (CBS), or a multicast service.

7. Method according to Claim 1 or 6, wherein the radio communication system (FCS) is operated in accordance with the UMTS standard.

15 8. Method according to one of the Claims 2 or 5, wherein the first planning message contains information about when and on which second separate transmission channel, of which there is at least one, second planning messages and/or user data messages are transmitted.

20 9. Method according to one of the Claims 1 to 8, wherein the subscriber device or plurality of subscriber devices (UE11, UE21, UE31, UE42) receives only those user data messages which it is designed to process.

25 10. Method according to one of the Claims 1 to 9, wherein a mobile radio device, in particular a mobile phone, is used as a subscriber device (UE11, UE21, UE31, UE42).

30 11. Method according to one of the preceding claims, wherein the subscriber device or plurality of subscriber devices (UE11, UE21, UE31, UE42) receives only those user data messages which, having regard to the announced form, it is able to process.

12. A subscriber device (UE11, UE21, UE31, UE42) of a radio communication system (FCS), in which user data messages are transmitted over at least one transmission channel (PCS) to the 5 subscriber device, and the form of said user data messages is announced by means of a planning information (BMC planning message; C-Type, C-Raw, C-Cod, C-Param) before their transmission, wherein the form of the user data messages which are to be transmitted includes the data type (C-Type) and/or the coding (C-Cod) of the 10 user data messages, wherein the subscriber device is designed in such a way that it receives only those user data messages which, having regard to the announced form, it is able to process.

14. A radio communication system (FCS) having the following 15 features:
one or more subscriber devices;
a network element which is configured for transmitting user data messages over at least one transmission channel (PCS) to the subscriber device or plurality of subscriber devices (UE11, UE21, 20 UE31, UE42), wherein the form of the user data messages is announced by means of a planning information (BMC planning message; C-Type, C-Raw, C-Cod, C-Param) before their transmission, wherein the form of the user data messages which are to be transmitted includes the data type (C-Type) and/or the coding (C-Cod) of the user data messages.